

Light weight, Easy to Use
Solutions

Questions

- What “big wins” for DOE science could be achieved in the next 2-3 years, that are not currently being pursued?
- What key technology gaps could be filled in 2-3 years, that are not currently being pursued?
- Besides an NC R&D investment, what else is required for success?

Initial Thoughts

- Ease of use is often the hardest to realize, therefore it is important to manage user expectations. What can be accomplished in the 2 year timeframe?
- What is meant by lightweight?
- Where do we need to be in 2 years so that if there was a National Collaboratory call that required an impact in scientific domains within 18 months? What infrastructure do we need to put in place now?

Technology

- Technology clearing house
- Lightweight desktop visual grid workflow builder
- Publish/subscribe demonstration on the large scale
- Portal portal
- Examples of existing production tools for collaboration
 - Peer to peer
 - Wiki
 - Document management systems
 - Issue tracking
- Compatibility in the human to human tools (ex. h323 to AG)
- Integration of performance data in to Grid infrastructure
- Software overlay networks
- Data curation research
- Require basic infrastructure of simple integration
 - Package as service
 - Publish portlet interface
 - Add (DOE) security
 - Expose data through ports

Users

- Security management
 - Certificate management
 - Authorization management
 - Firewalls
- Demonstration sites - information points
 - Flexible security testbeds that focus on the science
 - Use of lightweight Grid technology and web services
- DOE data warehouse/repository service
- Access Grid session archiving (smart)
- Program to program collaboration (what collaboration is going on between SciDAQ and GTL projects?)